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DMI-ST. EUGENE UNIVERSITY

ZAMBIA

DEGREE EXAMINATION – JUNE 2024

Semester:I

055CS14/351HE21 FUNDAMENTALS OF COMPUTER

Time: 3:00 Hours

Max. Marks: 100

Answer any FIVE Questions (5 x 20 = 100 Marks)

1. a) Draw a block diagram of a computer and explain its parts.(10 Marks)
b) List out the characteristics of second generation of computers.(10 Marks)
2. a) Explain the concept of computer memory.(10 Marks)
b) Define a printer and explain its types with examples.(10 Marks)
3. a) Explain the program development life circle.(10 Marks)
b) Explain the different properties of algorithms with its advantages.(10 Marks)
4. a) What is a microprocessor and clear list and explain the working principal of its family types? (10 Marks)
b) Shortly explain what is meant by data representation and explain the different number systems. (10 Marks)
5. a) Explain the use of ISDN protocol, serial line internet protocol and point to point protocol. (10 Marks)
b) Write down 10 valid points of what not to do when you're on the internet.(10 Marks)
6. a) Briefly write about the three different layout views in MS word.(10 Marks)
b) Define a utility software and explain its types.(10 Marks)
7. a) Give a brief account on the CRT, LCD displays and the virtual reality headsets.(10 Marks)
b) Give a brief account on the ROM, BIOS, CU and ALU.(10 Marks)